

**RoHS**  
COMPLIANT

## VSCM STENCIL CLEANING MACHINE

*Highly efficient, budget priced units for complete removal of solder paste and glue from stencil frames and screens.*



### **BENEFITS**

- Highly effective air agitation module
- Air driven pump and filter
- Constructed from 12mm polypropylene
- Can be configured to accommodate screens and frames
- Range of sizes available up to 740 x 740mm
- Cycle-time 5-10 minutes
- Pumped chemical drain facility
- Wide range of suitable cleaning solvents
- Low maintenance
- No electrics required
- Available with built-in dryer (VSCM/D model only)
- Supplied with stainless steel basket for cleaning misprinted boards

## OPERATION

The units require only compressed air and a suitable cleaning solvent.

Twin agitator tubes in the bottom of the units produce an intensive scrubbing action in the cleaning solvent to rapidly and completely remove solder paste and glue.



The stencil is immersed in the agitated solution for 5-10 minutes then either removed and left to dry in the holder on top of the machine (see photo on right) or slowly withdrawn passed the twin air knives (VSCM/D model only, see photo on right)

Periodically the solution should be circulated through the 10 micron filter on the side of the unit. The filter should be changed regularly to prevent re-deposition.

The cleaning solution should be changed when re-deposition occurs on the stencil. This will normally be after 200-300 stencils have been cleaned in the VSCM/1 model depending on the degree of contamination. The solution can be safely pumped into drums using the air pump and valves on the machine.

## FEATURES

Re-circulation pump and filter



Easily replaced, standard, low cost filter elements



Built in dryer



Draining position for stencils



Stainless steel basket for misprints



## STANDARD MODELS

Model	Max. stencil size (mm)	Overall dimensions (M)	Solution volume	Compressed air requirement
VSCM/1	580 X 740	1.25 x 0.34. x 1.05 Tall	70ltrs	* 6 Bar 50 cfm (1.5m <sup>3</sup> /min)
VSCM/D	580 X 740	1.25 x 0.4 x 1.05 Tall	110ltrs	* 6 Bar 80 cfm (2.5m <sup>3</sup> /min)
VSCM/2	740 X 740	1.43 x 0.4 x 1.11 Tall	120ltrs	* 6 Bar 80 cfm (2.5m <sup>3</sup> /min)

\* Units will operate with lower air volumes but cleaning and drying efficiency will be reduced.  
Units can be configured to accommodate proprietary cleaning frames or metal framed screens.

## STENCIL CLEANING SOLUTIONS

The units can be used with any aqueous or solvent solution provided they do not attack polypropylene or contain surfactants that will generate foam.

BLT manufacture a wide range of cleaning solvents for manual and machine use.

Following are recommended products for use in the VSCM units.

Product Name	Type	Applications	Characteristics	Flash Point
SCS/2	Solvent	Paste, Glue & Flux residues	Medium drying rate	32°C
SCS/4	Solvent	Paste, Glue & Flux residues	Slow drying. Very low odour	40°C
SCS/6	Low VOC Solvent	Paste, Glue & Flux residues	Low odour Non-Flammable	None
*SCS/12	Solvent	Paste, Glue & Flux residues	Very Low Odour	44°C

\* SCS/12 is the preferred product for use in the VSCM due to cleaning efficiency, low odour and high flash point.

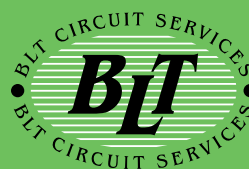
## OTHER CLEANING EQUIPMENT

BLT also manufacture a range of compact cleaners for misprint board based on the same principle as the VSCM.



### Warranty

All reasonable endeavours have been made to ensure that the information contained in this data sheet is accurate, but it is submitted on the express condition that BLT Circuit Services Ltd., shall be under no liability whatsoever in respect thereof or for any loss, injury, damage or liability of whatsoever nature arising, suffered or incurred as a consequence of its use.



BLT Circuit Services Ltd  
Brome Industrial Estate,  
Brome, Eye, Suffolk,  
IP23 7HN England

**Telephone** +44 (0)1379 870870

**Fax** +44 (0)1379 870970

**Email** sales@blt.keme.co.uk

**Web** www.bltcircuitservices.co.uk